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⑦① Applicant : **SMITH INTERNATIONAL, INC.**  
**16740 Hardy Street**  
**Houston, Texas 75032 (US)**

⑦② Inventor : **Denton, Robert (NMI)**  
**209 Chelsea**  
**Friendswood, Texas 77546 (US)**  
Inventor : **Sinclair, James J.**  
**21135 Sailors Bay Lane**  
**Huntington Beach, California 92646 (US)**

⑦④ Representative : **Henningsson, Gunnar et al**  
**Awapatent AB Box 45086**  
**S-104 30 Stockholm (SE)**

⑤④ **O-ring seal for rock bit bearings.**

⑤⑦ An O-ring seal composition for retaining the lubrication around a rock bit bearing for drilling subterranean formations comprises 100 parts by weight highly-saturated nitrile elastomer, furnace black in the range of from 40 to 70 parts by weight, peroxide curing agent in the range of from 7 to 10 parts by weight, zinc oxide or magnesium oxide in the range of from 4 to 7 parts by weight, stearic acid in the range of from 0.5 to 2 parts by weight, tetrafluoroethylene particles in the range of from 0 to 15 parts by weight, and a fatty acid amide selected from the group containing saturated or unsaturated fatty acid amides 15 to 25 carbon atoms in length in the range of from 0 to 8 parts by weight.

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# EUROPEAN SEARCH REPORT

Application Number

EP 91 85 0175

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.5)
X	DE-C-3 226 081 (BAYER AG) * column 1, line 15 - column 2, line 11 * * column 3, line 29 - column 4, line 40 * * example 1 *	1-3	E21B10/22 F16J15/32 C08L9/02 C08L15/00
A	US-A-4 851 068 (UYEHARA) * abstract * * column 5, line 55 - line 68 *		
A	EP-A-0 163 971 (NIPPON ZEON CO. LTD.) * abstract * * example 3; table 5 *		
			TECHNICAL FIELDS SEARCHED (Int. CL.5)
			C08L
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>19 FEBRUARY 1993</b>	Examiner <b>METTLER R.M.</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons  &amp; : member of the same patent family, corresponding document</p>			

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